

Spent Nuclear Fuel Project

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*First Shipment of SNF
from K West Basin*



FTS Operations



First transport leaves K East.

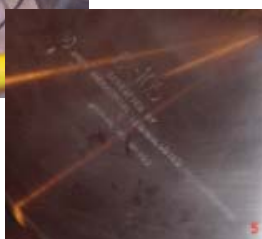


First transport in K East Annex.

MCO Welding Project



First MCO welded.



First N Stamp.

Sludge Water System



*Sludge Transportation System - Test loading large
diameter container into cask at K Basins.*

Project Celebrates 957 Metric Tons of Heavy Metal Moved.



INTRODUCTION

The Spent Nuclear Fuel (SNF) Project consists of Project Baseline Summary (PBS) RL-RS03.

NOTE: Unless otherwise noted, all information contained herein is as of the end of January 2003.

NOTABLE ACCOMPLISHMENTS

Fuel Movement Activities: During the reporting period, the project shipped 12 Multi-Canister Overpacks (MCOs) containing 53.41 Metric Tons of Heavy Metal (MTHM) from the K West Basin to the Cold Vacuum Drying Facility (CVDF). Cumulatively, a total of 189 MCOs containing 972 MTHM have been shipped.

The project completed its quarterly maintenance outage on January 27, 2003. Several key items were accomplished during the outage including replacement of the North Manipulator in K West; installation of the Scrap Sorting Equipment in 105-K West; replacement of the pneumatic cylinder for the Multi-Canister Overpack Load-out System in 105-K West; and Exhaust Stack modifications at CVDF and Canister Storage Building (CSB).

A new MCO shipping schedule was initiated January 27, 2003. This schedule rebaselined MCO shipments and established fixed shipping windows, which will enable the project to more effectively manage its resources.

Fuel Transfer System (FTS): The project successfully completed 25 FTS shipments (250 canisters) during January 2003. A cumulative total of 51 shipments (510 canisters) have been made to date. The project is approximately 120 canisters ahead of the baseline schedule.

Site-wide Activities: Continued support of EM Corporate Project Team for SNF Integration/Disposition review of existing plans and alternatives for final disposition of DOE-owned SNF.

Sludge Water System (SWS): Sludge Retrieval System construction at K East is 95 percent complete. The project has obtained RL approval of Construction Completion Document, Section 1a, *Completion of Construction and Construction Acceptance Testing*, and is working minor punch-list items. Readiness Self Assessments are in progress. Operational Test Procedures (OTPs) have begun and will be complete by February 26, 2003. A procurement order has been placed for new strainers and a large diameter container weighing system. The project is working towards an April 11, 2003 SWS start-up date for the K East Basin.

T-Plant integration activities are currently underway. The Sludge Transportation System (STS) Number 1 is on-site at T-Plant and is undergoing T-Plant readiness activities.

K West preconception planning has commenced, and a dedicated team has been selected to focus on operability utilizing existing systems, structures and components. Lessons learned from K East SWS readiness are being incorporated into the process. A K West Sludge vendor forum with SNF Project Procurement will be conducted during March 2003.

Canister Cleaning Operations: The project cleaned 166 canisters from January 3 through February 3, 2003. A cumulative total of 1,613 canisters and 917 lids have been cleaned and removed from the basin. The project is 166 canisters ahead of schedule.

Multi-Canister Overpacks Welding at Canister Storage Building (CSB): The project completed weld validations and results are acceptable. Procedure validation and readiness preparations are nearly complete. The project is poised to commence MCO welding on schedule (February 3, 2003).

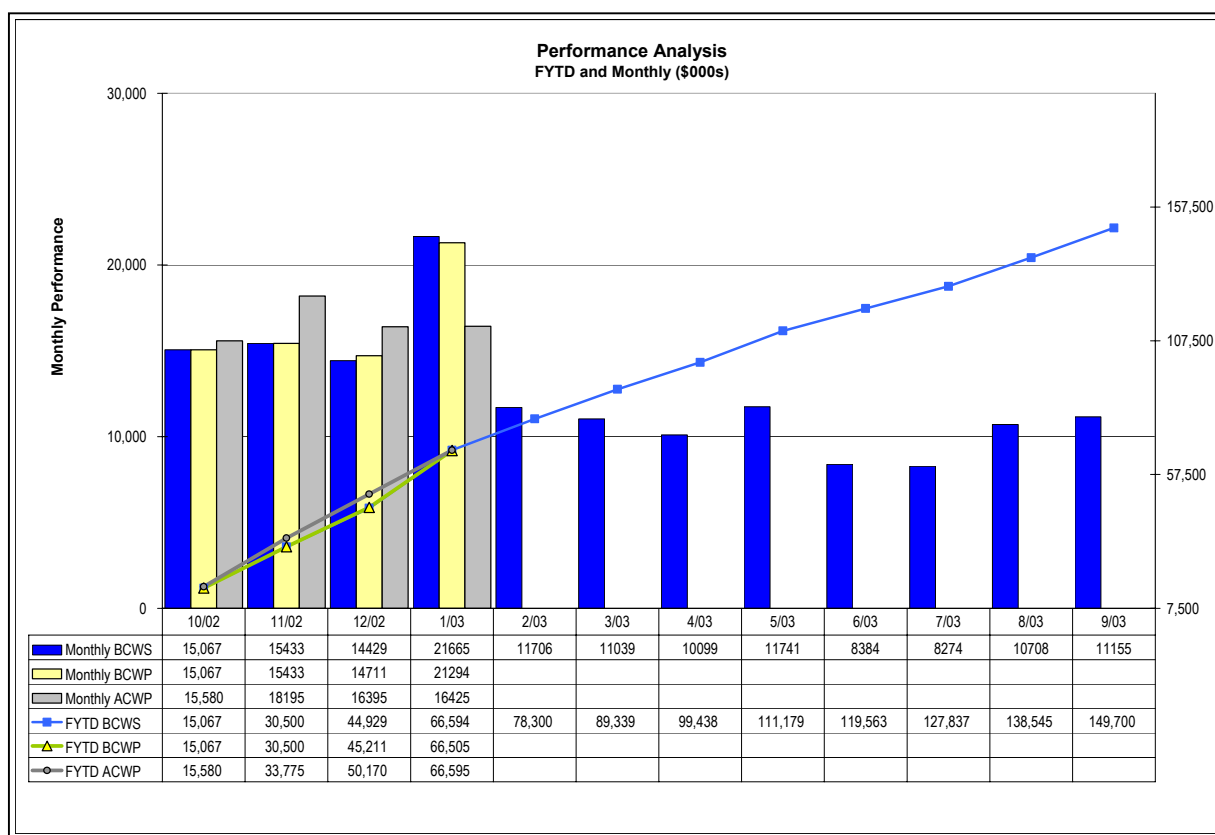
FY 2003 SCHEDULE/COST PERFORMANCE (\$000)

Schedule Variance Analysis: (-\$90K) There was no significant FYTD schedule variance.

Cost Variance Analysis: (-\$90K) There was no significant FYTD cost variance.

		FYTD								
By PBS		BCWS	BCWP	ACWP	SV	%	CV	%	BAC	
PBS RS03	SNF Project, 100 K Basins	\$ 66,595	\$ 66,505	\$ 66,595	\$ (90)	0%	\$ (90)	0%	\$ 149,700	
WBS 3.2.3										

PERFORMANCE STATUS FYTD AND MONTHLY (\$000)



MILESTONE ACHIEVEMENT

Number	Milestone Title	Type (TPA/DNF SB/PI)	Due Date	Actual Date	Forecast Date	Status/ Comments
M-34-06-T01	Initiate K West Basin Spent Nuclear Fuel (SNF) Canister Cleaning Operations	TPA	08/31/01	3/15/02		Complete
M-34-29	Complete K East Basin and K West Basin facility modifications for Alternate Fuel Transfer System casks transportation system	TPA	3/31/02	9/12/02		Complete
M-34-12-T01	Complete construction of Sludge Water System (SWS) (Construction Completion Document Section IIA.)	TPA	09/30/02		2/28/03	Behind schedule. Complete construction forecast February 2003.
M-34-17	Initiate K East to K West fuel transfer	TPA / PI	11/30/02	11/25/02		Complete
M-34-18A	Complete removal of 957 Metric Tons of Heavy Metal (MTHM) of SNF from the K West Basin	All 3	12/31/02	1/7/03		Complete. RL evoked dispute resolution on 1/10/03.
M-34-08	Initiate full scale K East basin sludge removal	TPA/DNF SB	12/31/02		4/11/03	Behind schedule. Target is 4/11/03. RL evoked dispute resolution on 1/10/03.
M-34-27-T01	Complete removal of 1252 MTHM of SNF from K West Basin	TPA	5/31/03		5/31/03	On schedule*
S09-03-010	Decide treatment path for sodium removal from Fast Flux Test Facility (FFTF)	TIP	09/30/03		09/30/03	On schedule
M-34-28	Complete removal of 1619 MTHM from the K West Basin	TPA	12/31/03		12/31/03	On schedule*
M-34-25-T01	Complete transfer of K East Basin SNF to K West Basin	TPA	5/31/04		5/31/04	On schedule
M-34-18B	Complete removal of all K Basin SNF	ALL 3	7/31/04		7/31/04	On schedule
M-34-10	Complete sludge removal from K Basins.	ALL 3	8/31/04		8/31/04	On schedule*

MILESTONE ACHIEVEMENT (CONTINUED)

Number	Milestone Title	Type (TPA/DNF SB/PI)	Due Date	Actual Date	Forecast Date	Status/ Comments
M-34-23	Start K East water removal	TPA	9/30/04		9/30/04	On schedule*
M-34-09-T01	Complete K Basins rack and canister removal	TPA / PI	1/31/05		1/31/05	On schedule*
M-34-24	Complete K East Basin Water removal	TPA	9/30/05		9/30/05	On schedule
M-34-21-T01	Initiate full-scale K West Basin water removal	PI	10/31/05		10/31/05	On schedule
S06-06-006	Complete K Basin water removal	PI (Stretch)	4/30/06		4/30/06	On schedule
M-34-22	Complete K West Basin water removal	TPA / PI	8/31/06		8/31/06	On schedule
S06-06-004	Complete transition activities for Cold Vacuum Drying Facility (CVDF) and other facilities	PI	9/30/06		9/30/06	On schedule
S06-06-005	Transfer of K Basins to the River Corridor Contractor	PI (Stretch)	9/30/06		9/30/06	On schedule
M-34-00A	Complete removal of K Basin fuel/sludge/debris/water from K Basins	TPA (Major)	7/31/07		7/31/07	On schedule
S20-10-010	Select technology to prepare SNF MCOs for shipment and demonstrate	TIP	12/30/10		12/30/10	On schedule

NOTE: Above data includes all TPA/DNFSB/Performance Incentive milestones as included in the FH baseline, and provides contract-to-date status.

** Milestones identified as potentially impacted by new accelerated contract; joint workshops proposed to resolve.*

FY 2003 FH FUNDS VS FORECAST (\$000)

		Expected Funds	Spend Forecast	Variance
3.2.3	Spent Nuclear Fuel RS03 Project Completion - Operating	\$ 149,695	\$ 150,900	\$ (1,205)

ISSUES

SNF SWS: Tri-Party Agreement Milestone (M-34-08) to begin K East sludge movement by December 31, 2002, is behind schedule. The project is working to a revised schedule date of April 11, 2003.

Fuel Production – FTS Shipments: Removal of all K Basin fuel by July 31, 2004 from the basins is based upon the completion of FTS shipments by January 31, 2004. This requires the project to continue to improve the efficiency of operations and maintenance activities to support the required production rates. Actions are underway to increase the number of qualified operators and radiological control technicians and to improve the responsiveness of Engineering and Maintenance to equipment problems.

Fuel Production – K West Equipment Reliability: Removal of all K Basin fuel by July 31, 2004 requires over 80 percent availability of K West fuel processing equipment. That equipment is demonstrating increased failure rates. Reliability, Availability and Maintainability (RAM) engineering personnel continue to focus on the reliability of the project's high-priority equipment.

MCO Welding at CSB: Actions to address the technical and operations start-up requirements were completed to support the February 3, 2003 date to commence welding of the first MCO.